## Suisun Marsh Scenarios Evaluation Matrix-100' Breaches Mean, Minimum, and Maximum Percent Change From Base on July 29, 1992 1/

								<del>,</del>
	Scenario		Morrow Is. SWH	Grizziy is: SWH	Simmons is SWH	Wheeler Is, SWH	Chipps ls. SWH	Van Sickle Is. SWH
	<u>e</u>	Suisun Bay	-15.6 (-25.2,2.8)	-0.8 (-3.3,1.1)	0.5 (-1.0,3.9)	2.1 (0.0,21.0)	-0.8 (-6.2,2.4)	-0.3 (-4.9.2.6)
	han	Western Marsh	-6.9 (-20.5,8.2)	-0.8 (-4.5,4.7)	1.1 (-1.1,3.9)	2.1 (0.2,4.6)	-3.3 (-8.0,6.4)	
	N Percent Salinity Change Jight From Base	Eastern Marsh	<b>-4.1</b> (-16.1,2.2)	0.4 (-0.2,0.8)	0.4 (-0.2,1.2)	0.1 (-0.3,0.5)	0.4 (-0.1,1.8)	0.6 (-0.1,1.8)
		West Delta	10.7 (2.6,21.4)	-0.3 (-3.2,1.3)	1.7 (-0.5,3.4)	2.8 (0.7.3.7)	-2.4 (-5.5,0.0)	
		North Delta	<b>-2.7</b> (-12.6,4.1)	<b>-2.7</b> (-8.1,0.0)	<b>-1.7</b> (-5.7,0.0)	0.2 (-1.0,2.3)	<b>-3.5</b> (-9.5,0.0)	1
		South Delta	-3.5 (-9.1,8.9)	-4.3 (-6.6,1.3)	-2.6 (-4.7,1.0)	0.4 (-0.7,3.1)	<b>-5.8</b> (-8.6,1.3)	1
		ence From Base (KM) 2/	0.69	0.75	0.73	0.62	0.33	0.42
	X2 Standard							
rs	Differences(days) 3/		0/-1/-1	0/-1/-1	0/-1/-1	0/-1/-1	0/-1/0	0/0/0
Evaluation Criteria	Tidal Range Difference							
ြင့်	Water Supply Reliability Acres of Tidal Marsh Created Acres of Shallow Water							
3								
<u> </u>		oitat Created of Shallow Water						
		itat Created						
	Conve	rsion of Habitat					:	
	Landown	er Willingness to Participate						
		latory Review sintenance						•
		guirements st of Levee						
	Co	onstruction						
	Adjace	ent Landowner Impact						
			,					
	Scenario			=		_		
		Scenario	arn Option TM	rest Option TR	ral Option TM	ast Option TN	V Brostek Kolean	
	•	Scenario	Western Option TM	Northwest Option TM	Central Option TM	Northeast Option TM	1990 Fibod Brogen Local	
		Scenario Suisun Bay	Western Option 4.5 (1.3,10.4)	1.4 (-6.0,4.4)	Central Option TM		1990, Filosofo Brisalch V. Adria	
							125 (125 (125 (125 (125 (125 (125 (125 (	
		Suisun Bay	4.5 (1.3,10.4)	-1.4 (-6.0,4.4)	10.1 (2.5,20.1)	10.7 (2.5,21.4)		
		Suisun Bay Western Marsh	<b>4.5</b> (1.3,10.4) <b>-0.7</b> (-9.0,5.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4)	<b>10.1</b> (2.5,20.1) <b>2.1</b> (-8.3,9.5)	10.7 (2.5,21.4) 2.0 (-8.4,9.6)		
	ant Salinity Change From Base	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.90.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0)	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0)	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0)	1996 (1996)	
	Percent Salinity Change From Base	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4)	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6)	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6)	95659959595	
	7X Percent Salinity Change From Base	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta rence From Base (KM) 2/	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0)	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0)	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0)		
	XX Percent Salinity Change From Base	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	X2 Differe From Base	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7)	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7)	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	X2 Differe From Base	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	Differe From Base Part Salinity Change Tidal R:	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ ange Difference	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	aginity Change  X2 Difference Tidal River S  Acres	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ enge Difference	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	aguery Change Sale	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta rence From Base (KM) 2/ 2 Standard ences(days) 3/ ange Difference supply Reliability of Tidal Marsh Created f Shallow Water	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	acres o  Acres o  Quality o	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ enge Difference supply Reliability of Tidal Marsh Created f Shallow Water eitat Created of Shallow Water	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	acres o  Acres o  Quality o	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ ange Difference supply Reliability of Tidal Marsh Created f Shallow Water ittat Created	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7)	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	aguality of Hab	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ enge Difference Supply Reliability of Tidal Marsh Created f Shallow Water eitat Created of Shallow Water eitat Created	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7) -0.33 0/0/3	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	aguality of Handown	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ ange Difference supply Reliability of Tidal Marsh Created of Shallow Water itat Created of Shallow Water itat Created residences(days) 3/ sidences(days) 3/ sid	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7) -0.33 0/0/3	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	acusting assessing a service of the convention o	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 22 Standard ences(days) 3/ enge Difference supply Reliability of Tidal Marsh Created f Shallow Water idat Created rsion of Habitat er Willingness to earticipate	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7) -0.33 0/0/3	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	Acres o Hab Conveil	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ ange Difference supply Reliability of Tidal Marsh Created of Shallow Water itat Created of Shallow Water itat Created residences(days) 3/ sidences(days) 3/ sid	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7) -0.33 0/0/3	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	abured Street Water Street Acres of Habit Conveil Landown Program Regularity of Regula	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta Pence From Base (KM) 2/ 22 Standard Pences(days) 3/	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7) -0.33 0/0/3	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	agually of Habitandown PRequestion Regulation PResease Acres On Habitandown PRESEASE ACRES ON HA	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta ence From Base (KM) 2/ 2 Standard ences(days) 3/ enge Difference supply Reliability of Tidal Marsh Created of Shallow Water itat Created of Shallow Water itat Created resion of Habitat ter Willingness to earlicipate latory Review aintenance quirements st of Levee onstruction	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7) -0.33 0/0/3	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		
	agually of Habitandown PRequestion Regulation PResease Acres On Habitandown PRESEASE ACRES ON HA	Suisun Bay Western Marsh Eastern Marsh West Delta North Delta South Delta Pence From Base (KM) 2/ 2 Standard Pences(days) 3/ P	4.5 (1.3,10.4) -0.7 (-9.0,5.7) -0.9 (-1.9,-0.1) -3.9 (-5.5,-1.4) -2.8 (-7.6,0.0) -5.2 (-7.5,0.7) -0.33 0/0/3	-1.4 (-6.0,4.4) -11.0 (-28.5,6.4) -1.0 (-1.8,0.1) -2.9 (-5.5,-1.4) -3.2 (-9.1,0.0) -6.5 (-9.4,0.7) -0.2	10.1 (2.5,20.1) 2.1 (-8.3,9.5) -0.9 (-2.2,-0.0) -4.7 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.8,0.7) -0.58	10.7 (2.5,21.4) 2.0 (-8.4,9.6) -0.9 (-2.1,-0.1) -4.6 (-6.7,-1.6) -3.3 (-8.8,0.0) -6.1 (-8.7,0.7)		

<sup>1/</sup> Based on DWRDSM1 Suisun Marsh Version.
2/ Average February through May 1992 X2; Scenario minus Base Condition in km
3/ Number of days X2 is downstream of Port Chicago, Chipps Is., Collinsville: Scenario minus Base Condition in days